

Substitute Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14875-167US1	Application No. 10/594,690
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.88(b))		Applicant Tatsuhiko Kodama et al.	
		Filing Date September 28, 2006	Group Art Unit

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/M.W./	AA	5,500,346	3/19/1996	Bright et al.			
/M.W./	AB	5,849,525	12/15/1998	Hediger			
/M.W./	AC	6,270,978	08/07/2001	Bright et al.			
/M.W./	AD	6,713,278	03/30/2004	Bouvier et al.			
/M.W./	AE	2005/0004227	01/06/2005	Saitoh			
/M.W./	AF	2005/0222391	10/06/2005	Kodama et al.			
/M.W./	AG	2005/0281825	12/22/2005	Kodama et al.			
/M.W./	AH	2006/0084119	04/20/2006	Saitoh et al.			
/M.W./	AI	2006/0210569	09/21/2006	Kodama et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
/M.W./	AJ	JP 6-261761	09/20/1994	Japan			X	
/M.W./	AK	JP 8-134100	05/28/1996	Japan			X	
/M.W./	AL	WO 97/19919	06/05/1997	WIPO			English Abstract	
/M.W./	AM	AU 9676557	06/19/1997	Australia			See AL	
/M.W./	AN	WO 98/46777	10/22/1998	WIPO			English Abstract	
/M.W./	AO	JP 11-000172	01/06/1999	Japan			X	
/M.W./	AP	KR 1999-0071666	09/27/1999	Korea			See AL	
/M.W./	AQ	WO 00/28016	05/18/2000	WIPO				
/M.W./	AR	JP 2001-197846	07/24/2001	Japan			X	
/M.W./	AS	EP 1142473	10/10/2001	Europe				
/M.W./	AT	WO 03/033024 A1	04/24/2003	WIPO			English Abstract	
/M.W./	AU	WO 03/047621 A1	06/12/2003	WIPO			English Abstract	
/M.W./	AV	WO 03/083116 A1	10/09/2003	WIPO			English Abstract	

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Substitute Form PTO-1449 (Pre-2003) OCT 04 2007 PATENT & TRADEMARK OFFICE	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14875-167US1	Application No. 10/594,690
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Foreign Patent Documents or Published Foreign Patent Applications

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							Yes	No
/M.W./	AW	WO 03/104453 A1	12/18/2003	WIPO			See AF	
/M.W./	AX	JP 2001-139496	05/22/2005	Japan			See AS	

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
/M.W./	AY	ATCC Web Catalog, "Tumor Cell Lines" www.atcc.org (2007), 15 pages
/M.W./	AZ	Basu et al., "Screening of Anti-PepT1 Antibodies Using Indirect ELISA," <i>Pharmaceutical Research</i> , 13(9 Suppl.):S-37, Abstract No. APQ 1137 (1996)
/M.W./	BA	Basu SK et al., "Development and Utility of Anti-PepT1 Anti-Peptide Polyclonal Antibodies", <i>Pharmaceutical Research</i> , 15(2):338-342 (1998)
/M.W./	BB	Blissard et al., "Baculovirus gp64 Gene Expression: Analysis of Sequences Modulating Early Transcription and Transactivation by IE1," <i>J. Virol.</i> , 65:5820-5827 (1991)
/M.W./	BC	Blissard et al., "Location, Sequence, Transcriptional Mapping, and Temporal Expression of the gp64 Envelope Glycoprotein Gene of the <i>Orgyia pseudotsugata</i> Multicapsid Nuclear Polyhedrosis Virus," <i>Virology</i> , 170:537-555 (1989)
/M.W./	BD	Boublik et al., "Eukaryotic Virus Display: Engineering the major Surface Glycoprotein of the Autographa californica Nuclear Polyhedrosis Virus (ScNPV) for the Presentation of Foreign Proteins on the Virus Surface," <i>Biotechnology</i> , 13: 1079-1084 (1995)
/M.W./	BE	"Cancer Classification," SEER Training Website, www.training.seer.cancer.gov/module_cancer_disease/unt3-categories2_by_histology (2005), 3 pages
/M.W./	BF	Friedman et al., "Characterization of the Intestinal Transport Parameters for Small Peptide Drugs," <i>J. Control. Release</i> , 13:141-146 (1990)
/M.W./	BG	Friedman et al., "Passive and Carrier-Mediated Intestinal Absorption Components of Two Angiotensin Converting Enzyme (ACE) Inhibitor Prodrugs in Rats: Enalapril and Fosinopril," <i>Pharm. Res.</i> , 6:1043-1047 (1989)
/M.W./	BH	Ganapathy et al., "Proton-coupled solute transport in the animal cell plasma membrane," <i>Curr. Opin. Cell Biol.</i> , 3:695-701 (1991)
/M.W./	BI	Garcia et al., "cDNA Cloning of MCT2, A Second Monocarboxylate Transporter Expressed in Different Cells than MCT1," <i>The Journal of Biological Chemistry</i> , 270: 1843-1849 (1995)
/M.W./	BJ	Gonzalez et al., "An Oligopeptide Transporter is Expressed at High Levels in the Pancreatic Carcinoma Cell Lines AsPc-1 and Capan-2," <i>Cancer Res.</i> , 58(3): 519-525 (1998)
/M.W./	BK	Grever et al., "The National Cancer Institute: Cancer Drug Discovery and Development Program," <i>Seminars in Oncology</i> , 19(6): 622-638 (1992)
/M.W./	BL	Hefferon et al., "Host Cell receptor Binding by Baculovirus GP64 and Kinetics of Virion Entry," <i>Virology</i> , 258: 455-468 (1999)
/M.W./	BM	Higgins, C.F., "ABC Transporters: From Microorganisms to Man," <i>Annu. Rev. Cell Biol.</i> , 8:67-113 (1992)
/M.W./	BN	Houdebine, L.M., "Transgenic Animal Bioreactors," <i>Transgenic Res.</i> , 9: 305-320 (2000)

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14875-167US1	Application No. 10/594,690
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Other Documents (include Author, Title, Date, and Place of Publication)

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/M.W.J	BO	Hsu et al., "Overexpression of Human Intestinal Oligopeptide Transporter in Mammalian Cells via Adenoviral Transduction," <i>Pharm. Res.</i> , 15:1376-1381 (1998)
/M.W.J	BP	Kamada et al., "Generation of GP64-Expressing Mice and Induction of Tolerance to Budding Baculoviruses," <i>Nihon Bunshi Seibutsu Gakkai Nenkai Program Koen Yoshishu</i> , Abstract No. 1PC-162, p. 659 (2003) (Translation Provided)
/M.W.J	BQ	Karaki et al., "Production of anti-HLA class I alloantibodies using HLA-B51 transgenic mice," <i>Nihonmenekigakkaisoukai Gakujutsushuukaikiroku</i> , Abstract No. C61, p. 197 (1990) (Translation Provided)
/M.W.J	BR	Knutter et al., "A Novel Inhibitor of the Mammalian Peptide Transporter PEPT1," <i>Biochemistry</i> , 40(14):4454-4488 (2001)
/M.W.J	BS	Kolb et al., "Insertion of a Foreign Gene into the β -Casein Locus by Cre-Mediated Site-Specific Recombination," <i>Gene</i> , 227: 21-31 (1999)
/M.W.J	BT	LaRiviere et al., "Transgenic Studies of Pain and Analgesia: Mutation of Background Genotype?" <i>The Journal of Pharmacology and Experimental Therapeutics</i> , 297: 467-473 (2001)
/M.W.J	BU	Lee et al., "Biopharmaceutics of transmucosal peptide and protein drug administration: role of transport mechanisms with a focus on the involvement of PepT1", <i>J. Control Release</i> , 62(1-2):129-140 (1999)
/M.W.J	BV	Leiter, E.H., "Mice with Targeted Gene Disruptions of Gene Insertions for Diabetes Research: Problems, Pitfalls, and Potential Solutions," <i>Diabetologia</i> , 45: 296-308 (2002)
/M.W.J	BW	Liang et al., "Human Intestinal H ⁺ /Peptide Cotransporter. Cloning, Functional Expression, and Chromosomal Localization," <i>J. Biol. Chem.</i> , 270:6456-6463 (1995)
/M.W.J	BX	Lindley et al., "Production of Monoclonal Antibodies Using Recombinant Baculovirus Displaying GP64-Fusion Proteins," <i>Journal of Immunological Methods</i> , 234: 123-135 (2000)
/M.W.J	BY	Liu et al., "Molecular cloning of PEPT2, a new member of the H ⁺ /peptide cotransporter family, from human kidney," <i>Biochim. Biophys. Acta</i> , 1235:461-466 (1995)
/M.W.J	BZ	Loisel et al., "Recovery of homogeneous and functional β_2 adrenergic receptors from extracellular baculovirus particles," <i>Nat Biotechnol</i> , 15(12):1300-1304 (1997)
/M.W.J	CA	Lu et al., "Characterization of a Truncated Soluble Form of the Baculovirus (AcMNPV) Major Envelope Protein Gp64," <i>Protein Expression and Purification</i> , 24: 196-201 (2002)
/M.W.J	CB	Mancini et al., "Induction of Anti-Hepatitis B Surface Antigen (HBsAg) Antibodies in HBsAg Producing Transgenic Mice: A Possible Way of Circumventing 'Nonresponse' to HBsAg," <i>Journal of Medical Virology</i> , 39: 67-74 (1993)
/M.W.J	CC	Mangor et al., "A GP64-Null Baculovirus Pseudotyped with Vesicular Stomatitis Virus G Protein", <i>Journal of Virology</i> , 75(6):2544-2556 (2001)
/M.W.J	CD	Mikhailov et al., "Expression of functionally active ATP-sensitive K-channels in insect cells using baculovirus", <i>FEBS Lett</i> , 429(3):390-394 (1998)
/M.W.J	CE	Miyasaka et al., "Characterization of Human Taurine Transporter Expressed in Insect Cells Using a Recombinant Baculovirus," <i>Protein Expression and Purification</i> , 23: 389-397 (2001)
/M.W.J	CF	Monsma et al., "Identification of a Membrane Fusion Domain and an Oligomerization Domain in the Baculovirus GP64 Envelope Fusion Protein," <i>Journal of Virology</i> , 69: 2583-2595 (1995)
/M.W.J	CG	Monsma et al., "The GP64 Envelope Fusion Protein is an Essential Baculovirus Protein Required for Cell-to-Cell Transmission of Infection," <i>Journal of Virology</i> , 70: 4607-4616 (1996)

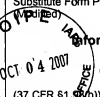
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Other Documents (include Author, Title, Date, and Place of Publication)

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/M.W./	CH	Mrsny RJ., "Oligopeptide Transporters as Putative Therapeutic Targets for Cancer Cells," <i>Pharm Res.</i> 15(6):816-818 (1998)
/M.W./	CI	Muranushi et al., "Transport Characteristics of Cefibuten, a New Oral Cephem, in Rat Intestinal Brush-Border Membrane Vesicles: Relationship to Oligopeptide and Amino β -Lactam Transport," <i>Pharm. Res.</i> , 6:308-312 (1989)
/M.W./	CJ	Murray, J.D., "Genetic Modification of Animals in the Next Century," <i>Theriogenology</i> 51: 149-159 (1999)
/M.W./	CK	Nakanishi et al., "Cancer Cell-Targeted Drug Delivery Utilizing Oligopeptide Transport Activity," <i>Int. J. Cancer</i> , 88(2):274-280 (2000)
/M.W./	CL	Nakashima et al., "Kinetics and Mechanism of <i>In Vitro</i> Uptake of Amino- β -Lactam Antibiotics by Rat Small Intestine and Relation to the Intact-Peptide Transport System," <i>Biochem. Pharmacol.</i> , 33:3345-3352 (1984)
/M.W./	CM	Nishimura et al., "Expression of the Human MHC, HLA-DQw6 Genes Alters the Immune Response in C57BL/6 Mice," <i>J. Immunol.</i> , 145:353-360 (1990)
/M.W./	CN	Noe et al., "Characterization of the Mouse Bile Salt Export Pump Overexpressed in the Baculovirus System," <i>Hepatology</i> , 33(5):1223-1231 (2001)
/M.W./	CO	Ogihara et al., "Immuno-Localization of H ⁺ /Peptide Cotransporter in Rat Digestive Tract," <i>Biochem. Biophys. Res. Commun.</i> , 220:848-852 (1996)
/M.W./	CP	Ohtomo et al., "Generation of Functional Antibodies Using GP64-Expressing/CCR2 Knock-Out Mice and CCR2-Expressing Baculoviruses," <i>Nihon Bunshi Seibutsu Gakkai Nenkai Program Koen Yoshishu</i> , Abstract No. IPC-164, 26: 660 (2003) (Translation Provided)
/M.W./	CQ	Okamoto et al., "Generation of monoclonal antibodies directed against allotypic epitopes of HLA class II antigen by utilizing HLA-DQw6 transgenic mice," <i>Nihonmenekigakkaisoukai Gakujutsushuukaikroku</i> , Abstract No. C62, p. 197 (1990) (Translation Provided)
/M.W./	CR	Okano et al., "H ⁺ Coupled Uphill Transport of Aminocephalosporins via the Dipeptide Transport System in Rabbit Intestinal Brush-border Membranes," <i>J. Biol. Chem.</i> , 261:14130-14134 (1986)
/M.W./	CS	Sai et al., "Selective Delivery of Peptide Anticancer Drugs via Oligopeptide Transporter Expressed in Cancer Cells," <i>Proceedings of the Millennium World Congress of Pharmaceutical Science</i> , p. 61, Abstract No. 2-2124 (April 16-20, 2000)
/M.W./	CT	Sai Y. et al., "Immunolocalization and pharmacological relevance of oligopeptide transporter PepT1 in intestinal absorption of β -lactam antibiotics," <i>FEBS Lett.</i> , 392(1):25-29 (1996)
/M.W./	CU	Saito et al., "Cloning and Characterization of a Rat H ⁺ /Peptide Cotransporter Mediating Absorption of β -Lactam Antibiotics in the Intestine and Kidney," <i>J. Pharmacol. Exp. Ther.</i> , 275:1631-1637 (1995)
/M.W./	CV	Saito et al., "Molecular cloning and tissue distribution of rat peptide transporter PEPT2," <i>Biochim. Biophys. Acta</i> , 1280:173-177 (1996)
/M.W./	CW	Sakaguchi T. et al., "The Ion Channel Activity of the Influenza Virus M ₂ Protein Affects Transport through the Golgi Apparatus," <i>J. Cell Biol.</i> , 133(4):733-747 (1996)
/M.W./	CX	Satoi et al., "Genetic Immunization of Wild-Type and Hepatitis C Virus Transgenic Mice Reveals a Hierarchy of Cellular Immune Response and Tolerance Induction against Hepatitis C Virus Structural Proteins," <i>J. Virol.</i> , 75:12121-12127 (2001)

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/M.W.J.	CY	Seliger et al., "Analysis of the MHC Class I Antigen Presentation Machinery in Human Embryonal Carcinomas. Evidence for Deficiencies in TAP, LMC, and MHC Class I Expression and Their Upregulation by IFN- γ ," <i>Scandinavian Journal of Immunology</i> , 46: 625-632 (1997) (Abstract)
/M.W.J.	CZ	Shen et al., "Localization of PEPT1 and PEPT2 proton-coupled oligopeptide transporter mRNA and protein in rat kidney," <i>Am. J. Physiol.</i> , 276:F658-F665 (1999)
/M.W.J.	DA	Sigmund, C.D., "Viewpoint: Are Studies in Genetically Altered Mice out of Control?" <i>Arterioscler. Thromb. Vasc. Biol.</i> , 20: 1425-1429 (2000)
/M.W.J.	DB	Steiner et al., "The PTR family: a new group of peptide transporters," <i>Mol. Microbiol.</i> , 16:825-834 (1995)
/M.W.J.	DC	Strehlow et al., "Retroviral membrane display of apoptotic effector molecules," <i>Proc. Natl. Acad. Sci. USA</i> , 97(8):4209-4214 (2000)
/M.W.J.	DD	Sugano et al., "Quantitative Structure-Intestinal Permeability Relationship of Benzamidide Analogue Thrombin Inhibitor," <i>Bioorg Med. Chem. Lett.</i> , 10(17):1939-1942 (2000)
/M.W.J.	DE	Sun D. et al., "Drug Inhibition of Gly-Sar Uptake and hPepT1 Localization using hPepT1-GFP Fusion Protein", <i>AAPS PharmSci.</i> , 3(1):1-9 (2001)
/M.W.J.	DF	Suzuki et al., "Effects of Retinoic Acid on Lung Smooth Muscle Cells," Meeting on Experimental Biology: Translating The Genome (April 17-21, 2004) as published in FASEB Journal, 18(4-5): 355-356 (2004) (Abstract)
/M.W.J.	DG	Szakacs et al., "Characterization of the ATPase Cycle of Human ABCA1: Implications for Its Function as a Regulator Rather Than an Active Transporter", <i>Biochem Biophys Res Commun.</i> , 288(5):1258-1264 (2001)
/M.W.J.	DH	Takahashi et al., "Interaction of β -Lactam Antibiotics with H ⁺ Peptide Cotransporters in Rat Renal Brush-Border Membranes," <i>J. Pharmacol. Exp. Ther.</i> , 286:1037-1042 (1998)
/M.W.J.	DI	Tamura et al., "CD14 Transgenic Mice Expressing Membrane and Soluble Forms: Comparisons of Levels of Cytokines and Lethalities in Response to Lipopolysaccharide Between Transgenic and Non-Transgenic Mice," <i>International Immunology</i> , 11:333-339 (1999)
/M.W.J.	DJ	Terada et al., "Characterization of Stably Transfected Kidney Epithelial Cell Line Expressing Rat H ⁺ Peptide Cotransporter PEPT1: Localization of PEPT1 and Transport of β -Lactam Antibiotics," <i>J. Pharmacol. Exp. Ther.</i> , 281:1415-1421 (1997)
/M.W.J.	DK	Terada et al., Tanpakushitsu Kakusan Koso (Protein, nucleic acid and enzyme), 46(5):621-628 (2001) (Translation Provided)
/M.W.J.	DL	Tsuchiya, "Therapeutic Antibody," Presentation, Chugai Pharmaceutical Co., Ltd., 21 pages (January 21, 2003)
/M.W.J.	DM	Watanabe et al., "Enhanced Immune Responses in Transgenic Mice Expressing a Truncated Form of the Lymphocyte Semaphorin CD100," <i>J. Immunol.</i> 167: 4321-4328 (2001)
/M.W.J.	DN	Zhou et al., "Characterization of an oligopeptide transporter in renal lysosomes", <i>Biochim Biophys Acta</i> , 1466(1-2): 372-378 (2000)

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